LOAD ANALYSIS			
ITEM	CONNECTED	DEMAND	D.F.
LIGHTING	27,984 W	27,984 W	100%
RECEPTACLES	24,440 W	18,420 W	40% & 10%
HEATING	22,604 W	22,604 W	100%
VENTILATION	19,941 W	19,941 W	100%
AIR COND.	9,695 W	- 0 -	0
EQUIPMENT	77,550 W	77,550 W	100%
MISC.	19,066 W	8,000 W	70%
TOTAL	181,278 W	163,115 W	—
TOTAL AMPS	201.6 AMP	181.2 AMP	—

BUILDING SERVICE GROUNDING GRID DETAIL

NOT TO SCALE

PLAN

SECTION 'A-A'

TRANSFORMER PAD DETAIL

NOT TO SCALE

POWER RISER DIAGRAM

NOT TO SCALE

FIRE ALARM RISER DIAGRAM

NOT TO SCALE

EXISTING POLE #1 DETAIL

NOT TO SCALE

EXISTING POLE #1 - LEGEND (NEW EQUIP'T)	
ITEM NO	DESCRIPTION
1	15kV LIGHTNING ARRESTOR
2	15kV FUSED CUTOUT (200A FUSES)
3	#6 BARE COPPER GROUND WIRE
4	8' FIN CROSSARM
5	15kV TERMINATOR
6	CROSSARM BRACE
7	CABLE HANGER
8	15kV-Vc#1/0 SHIELDED CABLE
9	2 1/2" CABLE SUPPORT
10	4" RIGID STEEL CONDUIT

INTERCOM RISER DIAGRAM

NOT TO SCALE

POLE BASE DETAIL FIXTURE "L"

NOT TO SCALE

NOTES

FIRE ALARM SYSTEM

1. ALL FIRE ALARM WIRE TO BE 18 THWN SOLID COPPER, EXCEPT AS NOTED, BURIED CONDUIT IN EMT OR CONDUIT AS REQUIRED.
2. ALL EQUIPMENT TO BE UL OR F.M. LISTED
3. FIRE DETECTORS TO BE LOCATED APPROX. AS SHOWN ON PLANS AVOIDING INTERFERENCES
4. CONTRACTOR TO CHECK PLANS FOR LOCATION & QUANTITY OF EQUIPMENT

INTERCOM SYSTEM

1. ALL EQUIPMENT TO BE LOCATED APPROX. AS SHOWN ON PLANS AVOIDING INTERFERENCES. SEE SYMBOL LIST FOR TYPE OF EQUIPMENT TO BE INSTALLED IN THE FUTURE.

TRANSFORMER PAD

1. ALL DIMENSIONS TO BE VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE PAD DETAILS WITH THOSE RECOMMENDED BY MANUFACTURER OF TRANSFORMER PURCHASED
2. GROUND GRID SHALL BE INSPECTED BY THE CONTRACTING OFFICER PRIOR TO COVERING.

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COVENTRY
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COVENTRY, RHODE ISLAND

ADD TO AND ALTER
COMBINED AUTOMOTIVE MAINTENANCE/
SUPPORT EQUIPMENT SHOP

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DIAGRAMS